

Abstract

5 A two-component polyurethane adhesive for
adhesively bonding wooden materials based on a polyol
component A consisting of
a) 10 to 98 wt.% of at least one oleochemical polyol,
b) 1 to 7.5 wt.% of at least one diol having a hydroxyl
value of 400 to 2000 and
10 c) 1 to 7.5 wt.% of at least one tri-, tetra- or
pentafunctional polyol having a hydroxyl value of 200
to 2000, the wt.% of each of a), b) and c) is based on
the whole of the polyol mixture, and
a polyisocyanate component B), wherein the NCO/OH ratio of
15 components A) and B) is within the range of 1.5 to 0.9. The
addition to the polyol component of 0 to 60 wt.%, based on
the total weight of the polyol mixture, of a homogeneously
dissolved resin, brings about a sharp increase in the
adhesive strength. The adhesive maintains its strength even
20 after boiling for 24 hours and drying for 7 days at 60°C.
The adhesive is highly suitable for loadbearing structural
members made of wood.